

EXPRESSION OF INTEREST (EOI)

Package Title	Shallow Monitoring Bore Drilling
Package Reference	N-2010b
Package Description	<p>Shallow Monitoring Network Drilling Contract:</p> <ul style="list-style-type: none"> ▪ Drilling and installation of a shallow groundwater monitoring network associated with the Southern Basins borefield in the Reaphook palaeovalley and the Nolans mine and processing sites, a summary of the proposed works is outlined for each area below: <ul style="list-style-type: none"> - Up to sixteen (16) groundwater monitoring bores in the Reaphook palaeovalley, with approximately 550 m of total drilling proposed. - Up to twenty (20) monitoring bores, installed across the ten (10) locations around the mine site, with each location consisting of a relative deep and shallow location, with approximately 550 m of total drilling proposed. - Up to seventeen (17) monitoring bores, installed across the ten (10) locations around the processing site, with each location consisting of a relative deep and shallow location, with approximately 500 m of total drilling proposed. - A summary of the proposed shallow monitoring bore drilling is provided in Table 1 - 3. ▪ Works include: <ul style="list-style-type: none"> - Drilling in accordance with the NT Water Act, executed by an NT licensed / registered water driller - Primary advancement of locations with solid flight / downhole hammer, or selected drilling methodology suitable for the installation of conceptual monitoring bore design as per conceptual monitoring bore design (12581389 – FIG01) attached: utilising uPVC casing and screens. - Contractors shall nominate their capacity to supply and operate a remote camp facility for the duration of the campaign.
Key Information to be included in the EOI	Interested parties will provide resources that illustrate their capabilities specific to the contract on offer; and demonstrate their industry performance and compliance with/to Health, Safety, Environmental and Quality Management systems.

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Key Milestones	<p><i>Forecast Request for Quotation/Tender release date:</i></p> <p>Early July, 2022</p> <p><i>Forecast Award date:</i></p> <p>September, 2022</p>
Approximate Value	Construction Contract < AU\$2M
Approximate Duration	3 - 4 Months, preferably to be completed in one campaign
Expression of Interest	<p>[Contractors / Suppliers] are invited to express an interest in this [scope of work / package] by registering on the ICN Gateway online platform.</p> <p>Prior to completing registration, please ensure:</p> <ul style="list-style-type: none"> ▪ The company profile on ICN Gateway is complete, up-to-date and accurate ▪ Interest is registered as either full-, or partial-, scope of this EOI (where applicable) ▪ ICN Gateway pre-qualification questions have been completed
EOI Closing Date	24 th June 2022
Contact	<p>Industry Capability Network of Northern Territory</p> <p>https://gateway.icn.org.au/</p>
Project URL	<p>For more information about Arafura Resources Ltd and the Nolans Rare Earths Project please refer to the Company website.</p> <p>https://www.arultd.com/</p>
Disclaimer:	<p><i>This EOI will be used, in part, to establish a list of potential tenderers, providing a general understanding of their capabilities to execute the scope outlined. The EOI will be coupled with subsequent steps and stages in the tender process to be adopted by Arafura Resources Ltd (the "Company"), and applicants' response to this EOI shall not form any part of a commitment or agreement with or on behalf of the Company to proceed or contract with responding parties.</i></p> <p><i>The relevant package details outlined above, and/or scale of scope for this package may be subject to change at the discretion of the Company.</i></p>
Project:	Nolans Rare Earths Project (the "Project")
Project Overview:	<p>Arafura Resources Ltd is developing the Nolans Rare Earths project, which will encompass a mine, beneficiation plant, extraction plant, separation plant, sulphuric acid plant and related Non-Process Infrastructure to be constructed in the Northern Territory. The project site is located on Aileron Station, approximately 135 kilometres NW of Alice Springs. The monitoring bores are</p>

	<p>located on both Aileron Station and the adjacent Napperby Station (12581389 – FIG002) attached.</p> <p>The Project mining operation will use conventional open-pit truck and excavator mining methods, supplemented by drill and blasting for ore and waste. A JORC-compliant Ore Reserve supports a mining inventory for a mine life of 38 years. Mining is at an average rate of 7.6 million tonnes per annum to produce 1 to 1.3 million tonnes of ROM ore each year and 316,000 tpa of concentrate through the hydrometallurgical plant to produce a range of rare earth products and a phosphoric acid by-product.</p>
Date:	10 June 2022

Table 1 Reaphook palaeovalley Monitoring Bores

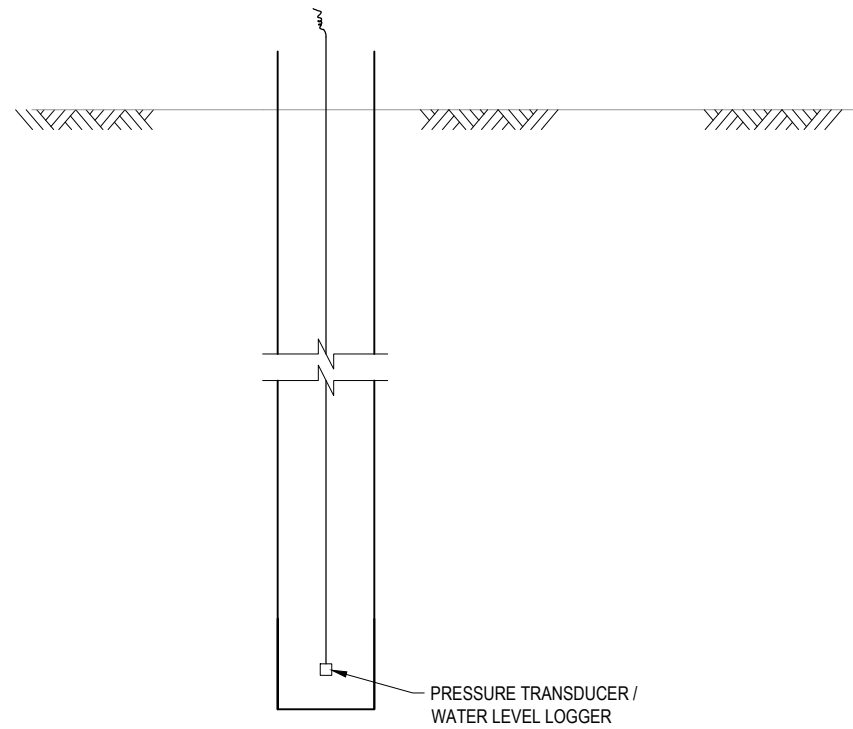
Bore ID	Easting	Northing	EOH	Target Screen Depth (m)	Basin	Target Unit
P_MB01s	280674	7481289	24	18-24	Whitcherry	Q
P_MB01d	280684	7481289	66	60-66	Whitcherry	T1
P_MB02s	279942	7480289	24	18-24	Whitcherry	Q
P_MB02d	279932	7480279	48	42-48	Whitcherry	T2
P_MB03s	282801	7482059	24	18-24	Whitcherry	Q
P_MB03d	282811	7482059	48	42-48	Whitcherry	T2
P_MB04s	287338	7480372	24	18-24	Whitcherry	Q
P_MB04d	287328	7480362	66	60-66	Whitcherry	T1
P_MB05	292745	7478217	24	18-24	Whitcherry	Q
P_MB06s	293263	7479398	24	18-24	Whitcherry	Q
P_MB06d	293253	7479388	48	42-48	Whitcherry	T2
P_MB07s	297138	7479129	24	18-24	Whitcherry	Q
P_MB07d	297128	7479119	48	42-48	Whitcherry	T1
P_MB08	298277	7476871	24	18-24	Lake Lewis	Q
P_MB09	291336	7473908	24	18-24	Lake Lewis	Q
P_MB10	293760	7469661	24	18-24	Lake Lewis	Q

Table 2 Mine Site Monitoring Bores

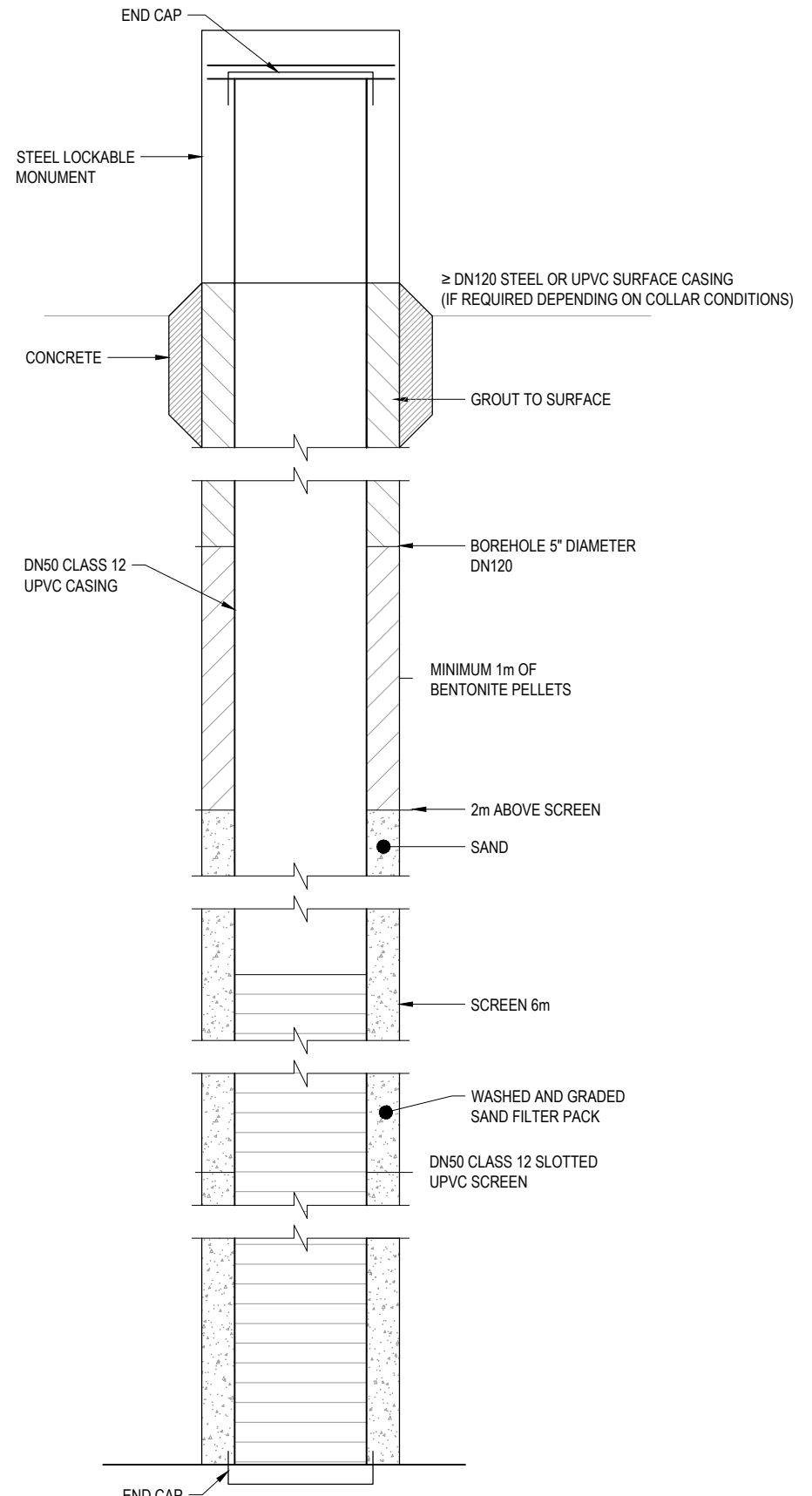
Bore ID	Easting	Northing	Nominal EOH	Screen Length
MB104 A	318980	7503460	12	6m
MB104 B			42	6m
MB107 A	320961	7501412	12	6m
MB107 B			42	6m
MB109 A	319956	7500644	12	6m
MB109 B			42	6m
MB110 A	319419	7501242	12	6m
MB112 B			42	6m
MB111 A	318631	7501490	12	6m
MB111 B			42	6m
MB112 A	317998	7502112	12	6m
MB112 B			42	6m
MB113 A	317186	7502527	12	6m
MB113 B			42	6m
MB114 A	317863	7503079	12	6m
MB114 B			42	6m
MB115 B	319250	7502500	12	6m
MB115 A			42	6m
MB116 A	320233	7502373	12	6m
MB116 B			42	6m

Table 3 Processing Site Monitoring Bores

Bore ID	Easting	Northing	Nominal EOH	Screen Length
MB203 A	317964	317964	12	6m
MB203 B			42	6m
MB204 A	317493	317493	42	6m
MB205 A	317031	317031	12	6m
MB205 B			42	6m
MB206 A	316185	316185	12	6m
MB206 B			42	6m
MB209 A	316186	316186	42	6m
MB210 A	315872	315872	42	6m
MB211 A	314623	314623	12	6m
MB211 B			42	6m
MB213 A	317749	317749	12	6m
MB213 B			42	6m
MB214 A	318710	318710	12	6m
MB214 B			42	6m
MB215 A	318665	318665	12	6m
MB215 B			42	6m



ELEVATION
NOT TO SCALE



BOREHOLE - ELEVATION
NOT TO SCALE

Rev	Description	Checked	Approved	Date
Author	Drafting Check	FJ		
Designer	CL	Design Check		

Plot Date: 10 June 2022 - 9:58 AM Plotted by: Simon Williams

File Name: G:\32\12581389\CADD\Drawings\12581389-FIG01.dwg



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Project No.
12581389

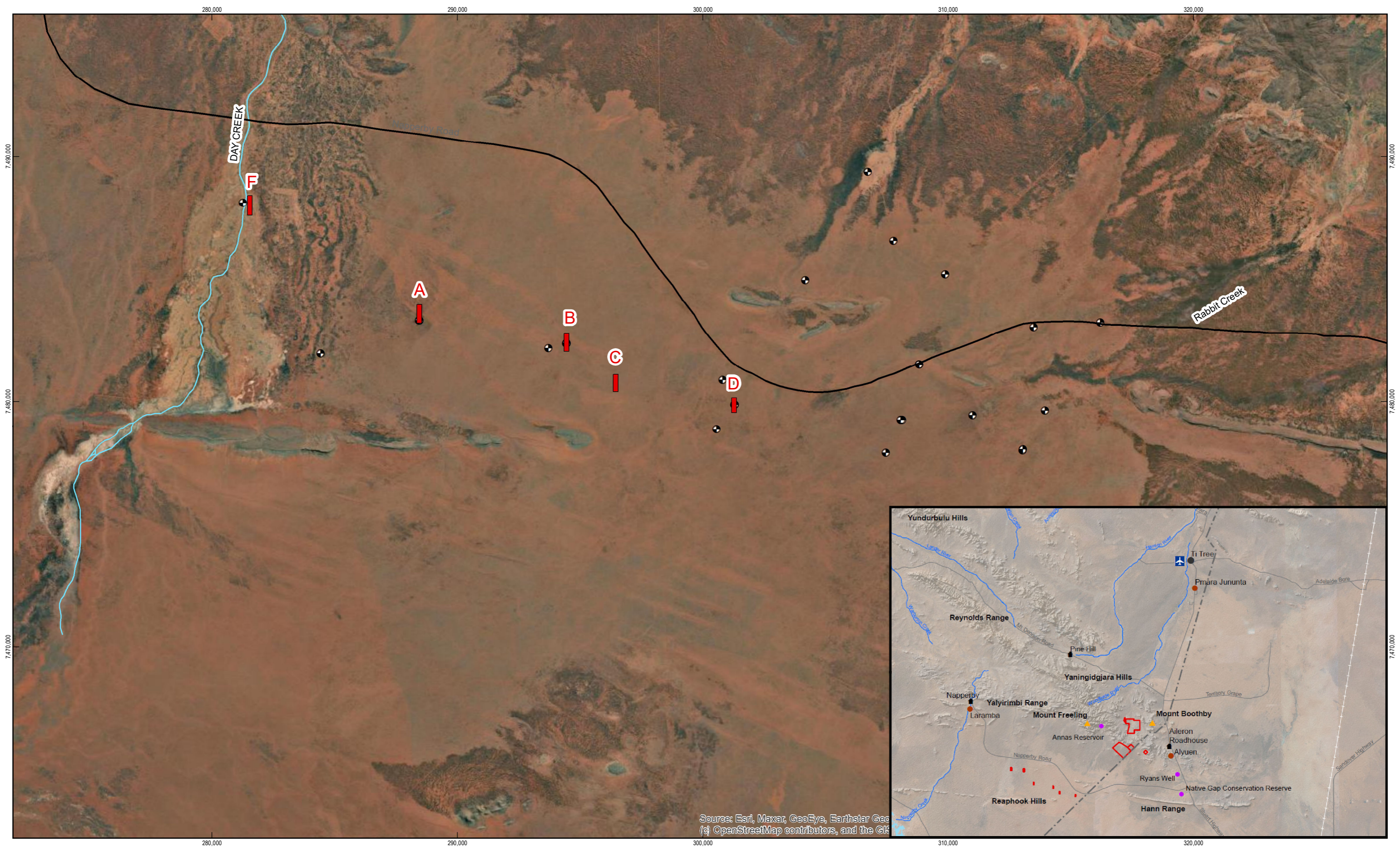
Client	ARAFURA RESOURCES LIMITED
Project	SOUTHERN BASINS BOREFIELD
Status	

Drawing Title
CONCEPTUAL MONITORING BORE DESIGN
MAY 2022

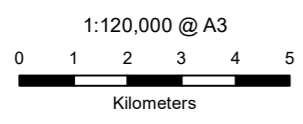
Size
A3

Rev
A

Drawing No.
12581389-FIG01



Source: Esri, Maxar, GeoEye, Earthstar Geo
 (c) OpenStreetMap contributors, and the GIS



Map Projection: Transverse Mercator
 Horizontal Datum: GDA 1994
 Grid: GDA 1994 MGA Zone 53



LEGEND	
■	Borefield Area
—	Major Roads
—	Creeks
●	Existing Bores



Arafura Resources Limited
 RFP Borefield Drilling

Job Number	12581389
Revision	B
Date	25 May 2022

Borefield Overview

Figure 02